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Total No. of Pages : 01

Total No. of Questions : 08

B.Sc. (IT) (Sem.-4)
COMPUTER NETWORKS
Subject Code : UGCA1913
M.Code : 79439
Date of Examination : 10-08-21

Time : 2 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE question(s), each question carries 12 marks.

1. Differentiate between Wired and Wireless Networks. What are the advantages and disadvantages of Infrared wireless transmission?
2. Name the four basic network topologies and explain them giving all the relevant features.
3.
 - a) Explain the working of carrier sense multiple access protocol.
 - b) How does a Token Ring LAN operates? Discuss.
 - c) List and briefly discuss the two different basic transmission technologies.
That can be used to set up wireless LAN's.
4. Define Masking. What is the difference between boundary level masking and non-boundary level masking?
5. Explain the different approaches of framing in detail.
6. Explain the three-way handshake protocol to establish the transport level connection. Discuss congestion control in frame relay.
7. Explain the various steps that are followed in releasing a TCP connection. Discuss the various issues of the transport layer in detail.
8.
 - a) Discuss how Simple Mail Transfer Protocol (SMTP) works? Can multimedia messages be transmitted using SMTP? Discuss.
 - b) "Is common gateway interface languages"? Discuss.

Note: Any student found attempting answer sheet from any other person(s), using incriminating material or involved in any wrong activity reported by evaluator shall be treated under UMC provisions.

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